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Rose Thorn Staff

Rose-Hulman Institute of Technology, library@rose-hulman.edu

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THE ROSE THORN

Vol. 30, No. 1

Rose-Hulman Institute of Technology

Friday, Sept. 9, 1994

Campus News Briefs

Senior orientation

The annual career services senior orientation program and the Graduate School Seminar will be held September 20 and 23.

Geographic diversity of student body expands

Almost half (48%) of our new freshmen do not live in Indiana. The percentage of out-of-state first-year students shows a steady increase since 1989 when 34% of the new class did not list Indiana as their home. Last year, 44% were non-Indiana residents.

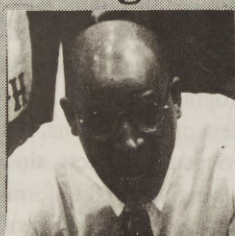
Hulman Union expansion recommended

Plans to expand and remodel the Hulman Union took a major step forward this summer as the planning committee of the board of managers agreed to recommend to the full board that Rose-Hulman hire the VOA architectural firm to complete detailed plans for improvements to the Hulman Union. September 29th is the regularly scheduled on campus meeting of the board of managers.

President Hulbert accounts merits of Rose staff member

Wally Graham, a member of our housekeeping staff, found \$100 that was left in a residence hall room by someone involved in Operation Catapult. Graham quickly contacted others in an effort to find the rightful owner of the money. Hulbert said such a story is not unusual when considering the quality of the staff who work at the institute.

Perkins resigns



See story on page 7

What's Inside...

Campus Calendar.....	2
Summer Update	2
Opinions:	
Where do socks go?.....	4
Jim Hoagland.....	4
Features:	
Ask Uncle Deeter	5
Freshman Survival.....	5
Sports:	
Football	7
Soccer	8
Fall sports schedule	9
Outland	12

Consortium edges Rose closer to coeducation

by Paul Sigler

Although Rose doesn't officially become a coed institution until the fall of 1995, a new program is now in place which is designed to pave the way for the first female Engineers.

The RHIT/ISU Consortium program consists of a small group of female ISU pre-engineering freshmen who will also be enrolled as part-time special students at Rose-Hulman for the 1994-95 academic year. Members of the program will be given the opportunity to transfer to Rose as sophomores next year in order to pursue a degree in engineering or science.

The 11 consortium students will be enrolled in a pre-engineering curriculum at ISU but will take calculus and chemistry at Rose-Hulman. As the first formally recruited female undergraduates to take classes at Rose-Hulman, it is hoped by the admissions staff that some of the consortium students will be able to help the transition for the first female freshmen by serving as Resident Assistants and Sophomore Advisors. "The understanding was that they would have the opportunity [to become RA's and SA's]," said Jim Goecker, assistant director of admissions.

According to Goecker, con-



RHIT/ISU Consortium students: Pictured from left (back row) Andrea Heim, Courtney Pareis, and Jodie Barcus. (Second Row) Amy Werner, Jamie Stefanski, Margaret Ellison, Michelle Thomas, and Jamy Tayler. (Kneeling) Amy Ott and Kristen Dahle.

sortium students are provided shuttle service from ISU to Rose-Hulman for their morning classes- one round trip per day. They have accounts on the Rose Network and full access to computer facilities here on campus. They also have access to NeXT computers at ISU. Goecker noted that he had received a great amount of cooperation from the ISU faculty and staff, particularly from the math department, in coordinating the use of the ISU's computers. Overall, Goecker stated that he was "extremely impressed with ISU's cooperation" in setting up the entire program.

Consortium students are also

being encouraged to take part in extra-curricular activities at Rose-Hulman. "ISU students have always been able to take part in [Rose-Hulman activities]," said Goecker, who encouraged the consortium students to attend the Activities Fair. Except for those clubs whose constitutions stipulate that members must be a Rose-Hulman student, Goecker doesn't foresee any problems with consortium students being active in Rose-Hulman clubs and activities.

Although very optimistic about the program, Goecker did point out some of the difficulties consortium students would face over the course of the year.

Due to the conflicting RHIT and ISU schedules, said Goecker, "they're going to have less vacation than any other student in Terre Haute." The consortium students will also be subjected to the wear and tear of the "physical moving back and forth" between ISU and Rose-Hulman, and will have the added stress of having to learn two differing academic systems. In order to help consortium students deal with these problems as well as what Goecker termed the "fish-bowl syndrome," a counselor will be available to them at ISU. Ruth Waite, an electrical engineering professor here at Rose, will also serve as a counselor for the program's participants.

The consortium program has, according to Goecker, gone extremely well so far, but there are no plans for a continuation of the program into next year. Goecker described the program as a "one-shot deal," but stressed that an informal transfer program for borderline students and a sort of "consortium in reverse" already exist between Rose-Hulman and ISU. Although nothing is being planned at present, Goecker emphasized that "the door is always open" for new cooperative programs between the two institutions.

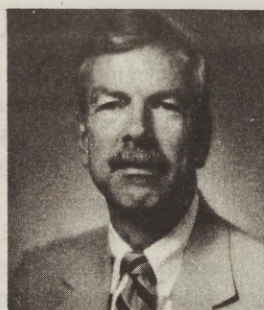
Catapult still targets best and brightest

by Keith Shoup
News Editor

The first two sessions of Coed Catapult didn't take Rose-Hulman by storm. Actually, they predicted smooth sailing ahead for future Catapult sessions and for the full integration of women at Rose-Hulman.

Aspects of this year's Catapult brought about a smooth transition from all-male Catapult to the coed version, says Tom Miller, assistant dean of students. Female participants agree that their experience at Rose was extremely positive and that they felt very much a part of the group. Miller pointed out the important fact that both groups, male and female, were already accustomed to coeducation. Their objectives were similar to those of past Catapult groups and making coeducation at Rose-Hulman work was not a big concern.

Overall, the Catapulters represented 38 states and two foreign countries, Germany and Canada. Females were housed in the 3rd and 4th floors of Blumberg, but



Professor Noel Moore

this is not seen as a permanent location for future sessions. The number of women in both sessions totaled 59, accounting for 25% of all the participants. These numbers were paralleled by the staff, which consisted of 7 male and 3 female counselors. A sophomore mechanical engineering from Washington University in St. Louis, a Rose-Hulman Applied Optics graduate student, and one of this year's women transfer students made up a diverse female staff. Nothing but praise of the work of all of the counselors came from Miller and Professor Noel Moore, Head of the

Chemical Engineering Department and organizer of the Catapult program.

Moore noted personal observations of this year's sessions com-

pared to those in the past, which included more courteous behavior on the part of the Catapulters and

See "Catapulting" page 2

Forwarding engineering and science to young scholars

Rose-Hulman has always been dedicated to introducing young people to science and technology and once again has stepped forward-- Fast Forward, in fact-- in the world of education.

Fast Forward, a program for young women interested in math, science, and engineering, was held for the first time this summer on the Rose-Hulman campus, reports Susan Smith, the program coordinator. The program targeted girls who had just completed 7th or 8th grade. Because this was the first time the program had been offered, enrollment was limited to 30 participants, despite a lengthy waiting list. A diversified agenda kept the campers busy during the five day session, which lasted from August 3rd through 7th. Students took part in mini-workshops on probability, mathematical modeling, and plastics. In addition, a session on engineering developments in the medical field was presented by President Hulbert. The program came to a fantastic finish on the last day when 10 functioning mini-solar vehicles were raced on Rose-Hulman's outdoor track. The cars were raced by 10 groups of three campers each, who had designed, built, and tested the vehicles during one of the previous day's workshops.

The success of the new program's first session is still being assessed. Program administrators are presently searching for external funding in order to continue the program. Comments were very positive and overall, the program was deemed a success by Smith. Information about the program for next year is already being sought by a number of people, including many of this year's students wishing to return for a second year.

Campus Calendar

FRIDAY, SEPTEMBER 9

Hallympics, 4:30 p.m. Fraternity Formals

SATURDAY, SEPTEMBER 10

SAB Scavenger Hunt, St. Mary-of-the-Woods College, 1-4 p.m.

Soccer, at Albion College, Albion, Mich., 1 p.m.

Football, at Greenville College, Greenville, Ill., 1:30 p.m.

Cross Country, at Millikin Invitational, Decatur, Ill., 11 a.m.

WEEK OF SEPTEMBER 11-17

SUNDAY, SEPTEMBER 11

Fraternity Formals

Baseball, Wabash College, Art Nehf Field, 1 p.m.

Circle K Volleyball Social, 2 p.m.

RHA Movie, "Three Musketeers," St. Mary-of-the-Woods

MONDAY, SEPTEMBER 12

Final Date To Add Classes

Closed Rush

TUESDAY, SEPTEMBER 13

Gun Club Safety Meeting

WEDNESDAY, SEPTEMBER 14

President's Administrative Council, PA Room, Hulman Union, 8 a.m.

Soccer, Earlham College, Jim Rendel Field, 4 p.m.

Fraternity First Formal Invitations

SATURDAY, SEPTEMBER 17

Cross Country, at Principia Invitational, Elsah, Ill., 11 a.m.

Soccer, Univ. of the South, Jim Rendel Field, 1 p.m.

Football, at Univ. of the South, Sewanee, Tenn., 1:30 p.m.

MONDAY, SEPTEMBER 19

Freshmen Begin Constructing Bonfire

WEDNESDAY, SEPTEMBER 21

SGA Senate Orientation Meeting, PA Room, 7 p.m.

FRIDAY, SEPTEMBER 23

RHA, SAB, SMWC Retreat

SATURDAY, SEPTEMBER 24

RHA, SAB, SMWC Retreat

Fine Arts Series, Pianist William Albright, 7:30 p.m.

FRIDAY, SEPTEMBER 30

Homecoming Queen Coronation/Bonfire

SATURDAY, OCTOBER 1

Homecoming

ORGANIZATION NOTICES: Information on club meetings, lectures/speeches, and athletic events must be received before noon **each Wednesday**. Please contact Dale Long, associate director of communications, at Box 14 or extension 8418.

Looking for a great way to get involved around campus?

Your student government needs Senators! The student Senate of the Student Government Association needs 55 students from all residence halls, fraternities, and off campus housing to run for Senate positions.

The Rose-Hulman community is helped everyday by the student Senate. Senators have responsibility to allot over \$110,000 to campus clubs and organizations. The Senate makes proposals to the Board of Managers and school administration. Three years ago the student Senate was a driving force for the change to coeducation. Last year, the program for placement of students in engineering internships and co-ops: our efforts are looking very promising. Being a student Senator does NOT suck away precious free time! The Senate meets four times a quarter, usually for only about an hour a meeting. if you have more time to help Student Government you can join a committee like the permanent Finance, Publicity, and Programming Committees or any of the temporary ad hoc committees.

The moral of the story is "the Student Government needs you!" To run for a position as student Senator, stop by the SGA comment box in the commons or D232 in Moench to pick up your petition. All petitions must be returned by September 16th because elections are on September 20th. Pick up a petition today: Your school needs you!

Summer Updates

Money Magazine ranks Rose-Hulman among Top 100 Best College Buys; 4th best in engineering & science

Rose-Hulman Institute of Technology is one of the nation's top four best buys in engineering and science education and among the top 100 best values in all of higher education, according to Money magazine's latest guide of the 100 top best college buys. Rose-Hulman was ranked fourth nationally among science and technical schools and 62nd among the nation's 1,010 accredited four-year undergraduate institutions. The rankings are included in the magazine's "1995 Money Guide: The Best College Buys Now." The publication will be on newsstands September 6th.

The magazine selected America's 100 best college values by analyzing 16 criteria for educational quality and comparing the data with each college's tuition and fees to arrive at a value rating. Among the criteria used in the ranking was admissions standards, faculty resources, graduation and retention rates, and instructional budget.

Among the guide's top 10 list of scientific and technical schools, Rose-Hulman was ranked ahead of Georgia Institute of Technology, Iowa State University, and North Carolina State University. California Institute of Technology was ranked as the category's best buy.

The magazine states that the colleges ranked among the top 100 offer students exceptional educations for their prices. This is the second major news magazine to select Rose-Hulman as one of the nation's top colleges. For the past four years, Rose-Hulman has been ranked as one of the top three engineering and science colleges by U.S. News & World Report magazine. The Guide ranked New College of the University of South Florida as the best college buy in the nation. New College took top honors for the second year in a row. The college did not raise tuition for the 1994-95 academic year, it has a 10-to-1 student/faculty ratio and its students have an average SAT score of 1,200.

Local Pi Kappa Alpha chapter takes top award

Rose's chapter of Pi Kappa Alpha has been nationally recognized as being one of the 12 chapters receiving the national fraternity's top award, reports Professor Ditteon. Honors for scholarship, associate education program, and outstanding alumni advisory board were also awarded to the Rose chapter. Pi Kappa Alpha fraternities number 180 nationwide.

Engineers improve performance on EIT exam

President Hulbert announced that, of the seniors who took the EIT exam last April, 93 percent passed. Records show this number is higher than from the previous April.

Rose-Hulman to glow in the dark for five more years

The U.S. Regulatory Commission has approved Rose-Hulman's use of radioactive materials for five more years.

Catapulting (continued from page 1)

a greater intensity on projects. Any fears of students being unwilling to work together or working less than enthusiastically were quickly dismissed. Moore also felt this positive example of male and female students interacting in a technical atmosphere, a Rose atmosphere, would carry over into the 1995-96 coed year and beyond. In fact, Miller stated with confidence that a significant number of the females from this group would be in the first coed freshmen class. All of them were seen as admissible to Rose-Hulman. Qualifications for admission have not changed. Rose-Hulman is always searching for the "brightest young people in the country," says Miller, and he, as well as Moore, sees this year's Catapult program as an indication of an increasing standard for admission to Rose-Hulman. The change to coeducation resulted in an additional

1000 to 1200 applications in the Catapult program alone. Neither Miller nor Moore could recall any problems occurring with the program this year. Moore did mention a few prior concerns, such as pairing of groups for projects, since the Catapulters were allowed to form their own groups, and the handling of sport and recreational activities. He said the students paired themselves quite randomly in terms of male-female ratios in the classroom and during activities and agreed that learning and having fun seemed to be the essentials. Moore summed up this year's program as being "remarkably uneventful." Miller echoed that thought by calling it "positively uneventful" and added that he is still receiving compliments from faculty and staff on the success of the program.

Rose unveils new "high-tech" laboratories

by Dave Hile and Jeff Nord
Thorn Reporters

The 1994-95 school year marks the first for two new, impressive computer labs. The first, an Imaging Systems Laboratory located in Moench Hall, will be used by interested students of any major. The second is a Dynamics lab located in Olin Hall with software to be used in several classes.

The Imaging Systems Laboratory, to be located in the old office of the Solar Phantom Club in Moench Hall, is currently undergoing remodeling. The lab is expected to be available for student use in October.

The Imaging Lab is the result of a combined effort among the Physics, Electrical and Computer Engineering, and Computer Science Departments. The expense of the needed equipment was lessened when the departments interlaced their requests for money and established that several students within different disciplines would make use of the lab. The alternative to a multi-disciplined lab would be smaller, less well-equipped labs within each department which would not receive nearly as much use.

The equipment in the lab consists of 8 color NeXT and 3 Silicon Graphics computer stations with access to a network of SUN 3's. This equipment will be used by students to generate fractals and fractal landscapes, to work with video editing, and soon, to create computer animation effects. These techniques will give students experience with imaging applications such as Magnetic Resonance Imaging, X-rays, and computer animation used in movies like Jurassic Park.

As of now there is no academic program in imaging, however, an Imaging Systems Certificate is available to students who complete five courses in imaging and complete an imaging project. These courses are spread throughout different disciplines and are open to all interested students, regardless of major. Interested students should see Professor Cary Laxer in the Computer Science Department for more information or specific courses dealing with Imaging.

Due to the efforts of a team of Mechanical Engineering faculty led by Professor David Purdy, a new Dynamics Laboratory is now ready for use. Other members of this team include Professors Jerry Fine, Phillip Cornwell, David Stienstra, and Lee Waite. In November 1991, this team submitted to the National Science Foundation (NSF), a proposal to build a new \$350,000 Dynamics Lab. In June 1992, the NSF approved \$100,000 in funding for this project. Rose-Hulman is also pursuing other sources of funding to cover the additional \$250,000 needed for this project. A proposal made to Caterpillar has also netted a commitment for \$45,000. A similar proposal for \$250,000 is being considered by Ford Motor Co.

Construction on the lab, located in Olin 203 began this summer, and it is now 95% complete. Equipment in the new lab includes 33 IBM-compatible 90-MHz Pentium computers, each with 32 Mb RAM, a 17-inch SVGA monitor, 540 Mb hard drive, CD-ROM drive, 3.5 and 5.25 floppy drives, 16-bit Sound Blaster card and headphones, Stealth 64 graphics accelerator card, and Intel Ethernet network card. Also, there are two Hewlett Packard Laserjet 4siMx Laser printers with 18Mb of memory to serve the 33 workstations. In addition, a Novell network connects the 33 workstations to a 486-66MHz server, to the other campus computer systems, and to Internet. Finally, in the front of the lab is the Marquee 8000 projection system which allow the students to see what is on the instructor's screen. Also, this projection system is connected to a VCR and CATV to allow use of educational videos or courses available from broadcast or satellite.

Many fine software packages are available on these workstations via the Novell network. This packages include: Maple, Mathematica, Working Model, Matlab, Simulink, ALGOR, Wordperfect, and Quattro Pro. One of these programs, Working Model, is animation/modeling software that allows students to experiment with simple and complex mechanical systems in a form of virtual reality.

Another program, ALGOR, is Finite Element analysis software for stress analysis, fluid mechanics, and heat transfer. With these capabilities, the workstations will be used in classes that include Dynamics, Controls, Vibrations, Finite Element Analysis, Computer Applications I and II, Analysis of Dynamic Systems, and Statics.

The Rose Thorn staff is looking for news reporters, sports reporters, columnists, photographers, cartoonists, layout artists, computer specialists, and ad salesmen. Those interested in:

THORN
enhancing their writing skills,
working with a professional, dynamic team
gaining practical business experience
improving intrapersonal skills

should contact the Thorn at 877-8255 or at Box 170 or stop by the Thorn office (C216) and speak with the current staff.

Waters Computing Center upgrades facilities

by Andrew Nuxoll
Thorn reporter

As any upperclassman will tell you, the Waters Computing Center has undergone several changes over the summer. Anything that hasn't been upgraded, replaced, or moved has vanished altogether. Those who approach the old operator window looking for assistance will find a mostly empty room scattered with empty desks, cardboard boxes, and old computer equipment. All the equipment in the machine room next to the old manager area has been moved to the east end of the room. The student operators and managers have all moved across the terminal room and into the former public NeXT lab. The NeXTs and Macintoshes that resided there have disappeared. They have moved back into the public PC lab (G105) with a dozen brand new Pentium computers.

"The stress level of the WCC management has been higher than that of NASA during the Apollo missions.."

What does it all mean? The future holds an expanded and wonderfully improved Waters Computing Center. For now it means a considerable amount of chaos and confusion. The WCC student managers have been busy trying to keep up with all the complications heralded by the change. The WCC's floating manager, Jerry Zdenek, offers the following comparison: The stress level of the WCC management has been higher than that of NASA during the Apollo missions. In fact, every major network on campus has undergone a significant software or hardware change.

The change that hits closest to home (or at least to the residence hall) has occurred on the PC (NOVELL) network. The networking software which connects

all the PCs on campus has been upgraded to a completely new version. This means that all upperclassmen with IBM clones will have to relearn how to connect to the residence hall network alongside this year's freshmen. In the first four days of classes, the WCC received more than 65 requests for a network connection. Ryan Scherle, one of the WCC's NOVELL managers found a spare moment to ask Rose-Hulman students to be patient. Things are currently working more reliably than they were last year and the new machines will run our software much faster.

The WCC's NeXTWork, the computing staple for the Rose-Hulman community, appears to be the same in the classrooms. However, the old NeXT servers have all been replaced by seven new servers that are much faster. Mike Allard, the WCC's Workstation Support Manager, says, [The new servers] should bring an increase in performance now and make the transition to other platforms possible. The old NeXT servers should be placed in the Public PC lab for student use by the time you read this article.

The WCC's largest acquisition of the summer includes two computers which are designed to replace the old VAX. The largest of these, dubbed Crux, has four processors which each run at 190MHz. Clint Rusk, one of the WCC's OpenVMS manager is very pleased with the performance of the new VAXCluster. We're expecting to make the new machines available to students by the end of October. At that time, students should notice a big increase in CPU speed. In the mean time, OpenVMS accounts have been moved to Orion, a MicroVAX 3195, which runs at twice the speed of Hydra though it is no larger than most desktop PCs.

Next year, all new freshmen will be required to purchase a laptop computer which will be used for many of the classes that the NeXTs are currently being used for. The WCC's Networking manager, Lans Carstensen, has been concentrating on preparing the WCC's computer networks for these laptops. Applied Computing

Devices (a local software company) is working closely with Lans to create a network management system that can handle the constantly changing network the laptops will create. Students can expect the NeXTWork to be gradually replaced by an expanding NOVELL network.

The WCC has also been working on improving its ability to help the Rose-Hulman community solve computing problems. Barbara Sabla, one of the WCC's newest employees, operates the WCC's new Help Desk from 8 AM to 12 PM and 1 PM to 5 PM every weekday. Nancy Bauer, the WCC's User Services Manager, encourages Rose-Hulman students, faculty, and staff to call the help desk

"Things are currently working more reliably than they were last year."

at campus extension 8989. The Help Desk is designed to give users a central point of contact for all computing problems, questions, and projects. When Barbara isn't on duty, the help desk line is answered by the student help desk operator (formerly known as the operator on duty). The student operators are located in G107 armed with WCC documentation and monitoring the printers from the old I/O room.

While some of the staff has been working on all the hardware and software upgrades, other members of the WCC have been arranging a different project: remodeling. The newly remodeled WCC will have two new offices to accommodate the WCC's increased staff. In addition, the terminal room will be expanded to make room for public laptop ports and to address problems with traffic flow. Kevin Davidson, the director of the WCC, offers his perspective on this year's changes: It seems that every three years we get a chance to really leap ahead with equipment, software, and facilities. The changes from July 1994 to July 1995 will be a quantum leap.

ATTENTION CLUBS!!!

The Place in Time

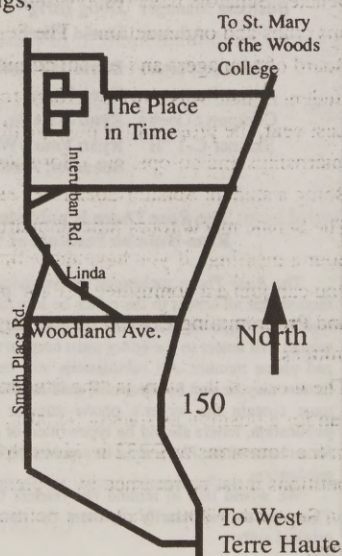
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Changing roles in the Middle East

WASHINGTON--America's confusion about the role and nature of government shows up in the long battles in Congress over anti-crime and health care legislation. Magnify that confusion a thousand-fold and you get a glimpse of the crisis of confidence and legitimacy that tears at the governments of the Middle East today.

For four decades, Arab rulers used the threat of war with Israel as justification for the economic hardships, police-state practices and social inequities their citizens endured. Their regimes to confront Israel.

That justification disappears as peace, or at least its promise, spreads. A central premise of American diplomacy in the region--that Arab governments would find new stability and security in making peace with Israel--is being shredded as Arab rulers make peace and face rising turmoil at home anyway.

The piecemeal dismantling of the Arab-Israeli conflict exposes the militarization of Arab society that followed the creation of Israel and the withdrawal of the colonial powers from the region. The military based regimes of Egypt, Syria, Algeria, Iraq and other Arab states must find a new rationale for holding power or face revolution.

The problem is to manage a transition in which the peace dividend seems to have gone astray and political opposition has been long suppressed. The Islamic fundamentalists rush into the legitimacy vacuum, promising the cause of a renewed jihad against Israel and

a different political system to replace the one that is expiring as the 20th century ends.

The fundamentalists will not provide answers for the deep problems of the Arab world. But their failure is still to be shown. The failure of the present Arab political system is all too apparent without a war footing to obscure it.

The extraordinary, uneven transition the Middle East is experiencing is well illustrated by the realignment of Yasser Arafat's foes and his friends.

The Palestine Liberation Organization chairman is today accused of being untrustworthy and dictatorial by Edward Said and other Palestinian nationalists who without reservation once

tinian authority of Jericho and the Gaza Strip.

But delivering economic benefits and government services is harder than being a revolutionary huckster, running a war of words, terrorism and fundraising in exile. Arafat shows signs of not understanding the nature of the transition he should oversee.

He has begun by trying to fashion an old style mini-Arab regime, complete with multiple security services, overbearing presidential guard and decrees banning newspapers that displease him. These efforts to build a Palestinian future on the outmoded Arab system are not taking root.

Arafat is not functioning as a dictator, Fateh Azzam, the director of the al Haq human rights institute in the West Bank town of Ramallah told the Paris daily newspaper Le Monde recently:

"It is worse than that. You can't see any kind of regime taking shape. We are gently sliding toward chaos."

When they met on Aug. 10, Arafat was reduced to appealing to Israeli Prime Minister Yitzhak Rabin for technical and financial assistance in governing the 850,000 people Israel had just handed over to the self-governing authority. Rabin said no.

It is easy to understand why. The Israelis, intent on remaking their society, are eager to shed the problems of Gaza and West Bank, where local leadership and the civil infrastructure have been shattered by their occupation and the Palestinian uprising.

But if Arafat fails to make the transition, so will the Israelis. James A. Baker III, who as George Bush's secretary of state contributed to getting peace talks started, framed the region's changing interdependence in a speech at Georgetown University's School of Foreign Service a few months ago:

"If Palestinian self-government does not improve Israel's security there will be no Palestinian self-government," Baker said, adding: "Only a healthy Palestinian society -- one that encourages social stability, democratic government and economic growth -- can deliver the long-term security that Israelis rightly crave."

Baker's words provide a good outline of goals for Arabs and Israelis as they pursue the end of their 45-Year War. Their fates are as bound in the transition to peace as they were in war.

Where *do* Socks go?

by Frank Pfeiffer
Thorn Columnist

Nothing ever changes. We are beginning to rely more on machines than ever before, and ultimate failure is imminent. The *Rose Thorn* wouldn't look like much if it were entirely hand written, so I guess that I shouldn't complain about small computer problems like, say, a few missing sectors on a hard drive. We will survive. We always pull through.

As humans developed the scientific method, they learned to use their powers of detection to observe the phenomena of nature. Although the human brain is one machine that cannot be artificially paralleled, an uneducated mind can cause a lot of trouble. In trying to explain the world around us we can draw conclusions which seem to verify other hypotheses, and soon we've got a flat world with all sorts of little objects zooming around it.

I think that most of these so-called "laws" of nature are just a collection of outdated conjecture that could stand to be updated. Would the real laws of physics please step forward? I read recently in the *Readers' Digest* about a newspaper's challenge to its readers, and I'd wager that the men of Dear Old Rose could easily answer that challenge. Using our vast knowledge of the world around us and our immense brain power (choke), let's come up with some new laws of physics that aren't as hard on the ol' math coprocessor. And let's not waste our time on re-explaining relativity; let's go for the biggies. Where do socks go when you wash them? I never seem to get back as many as I put in. And how is it that wire coathangers, when left alone in a dark closet, can become entangled and multiply?

An example from the *Digest* (digested even further): there is a known law of physics that governs falling buttered toast, causing it to always land buttered-side-down. If one were to strap buttered toast to the backs of cats, they would hover, spinning, just inches above the ground. A buttered-cat monorail system could link New York with Chicago!

Come on, I know that you don't usually dust off your thinking caps until finals week, but think about how easy your classes would be if you were writing the books! There might even be a pizza in it for the most creative submission. Address entries to Buttered Cats, Box 170.

Now about those missing sectors... This is easy to explain. The *Thorn's* super-awesome mainframe was located near a portal to another dimension. When we activated the hard disk drive, the portal was torn open, sending our configuration files into someone's computer in a parallel universe. These are what theorists in the Computer Engineering department commonly refer to as "parallel computers." Not bad for an ME, huh?

Jim Hoagland

Washington Post
Syndicated Columnist

supported Arafat against exactly those accusations.

Israel's leadership, which once would have eagerly executed Arafat as a terrorist, now pleads that Arafat means well but needs more time to deliver on his promises.

Arafat has not changed; the external circumstances have. The Israelis, also weary of militarization, want to disengage from the problems of the Arabs. They have challenged Arafat to turn from warrior to governor and run the self-governing Pales-

The Rose Thorn

5500 Wabash Avenue, Box 170
Terre Haute, Indiana 47803-3999
Phone: (812) 877-8255

Editor-in-Chief **Chad Zigler**
Features Editor **Paul Sigler**
News Editor **Keith Shoup**
Sports Editor **Adrian Reid**
Campus Editor **Scott Allen**
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The *Rose Thorn* is published on Fridays at
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The *Rose Thorn* welcomes letters and comments from its readers. We request that all letters to the editor be less than 300 words long. The editors reserve the right to edit letters for grammar, clarity and length (if over 300 words). All letters to the editor must contain the writer's signature, class year and phone number. All submissions will be confirmed before publication. Letters may be sent by electronic mail to Thorn@Rose-Hulman.Edu, but still must contain the writer's phone number for confirmation. For prompt publication, letters should be typewritten or printed by computer. All letters for an issue of the *Thorn* must be received before noon on the Tuesday prior to publication.

We would like to remind our readers that the views expressed in the *Thorn* do not necessarily represent the opinions of anyone other than the original author.

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Lit and Writ Required Reading

by Jean MacKay Jackson

Behold Dick.

Dick has a canis domesticus.

Tha canis domesticus is appellated "Spot."

Oh, observe Spot! Spot is pursuing a spheroid!

Hasten, Spot, hasten!

Perceive Jane.

Jane has a felis domesticus.

Jane's felis domesticus has the moniker "Puff."

Puff obtains the spheroid.

Veiw Spot! Witness Puff!

Spot and Puff are engaged in a fracas!

"No, no, Spot," censures Jane.

"Do not wrest the spheroid from Puff.

Be amicable with my felis domesticus."

Oh, observe and perceive!

Spot and Puff have undergone pacification!

Laudable Spot! Praiseworthy Puff!

"Oh, Jane," vociferates Dick,

"Espy our progenitors in the automotive vehicle!"

"Mater! Pater!" ejaculates Jane, What is your anticipated destination?"

"We are proceeding to the emporium with the intent of purchasing comestibles," states Mater.

"Oh Mater and Pater," implore Dick and Jane,

"May we be transported to the emporium in the automobile likewise?"

Mater and Pater signify their assent,

And yonder they all hie down the thoroughfare.

Has it not been gratifying to encounter Dick and Jane and Their Kindred?

Reprinted from the 1991 edition of the Freshman Survival Kit

Ask Uncle Deeter...

What every freshman wants to know about Rose but is afraid to ask

Q. Why is Speed Lake green?

A. The powers that be say that the green color is the result of an additive that inhibits algae growth. However, independant sources who've asked not to be identified have told us that the lake is actually fortified with a mixture of Turtle Wax, broccoli sprouts, and strained peas. Rumor has it that Van de Kamp is breeding special hybrids underneath the raft.

Q. What is a "laking" or a "ream?" Should I avoid them?

A. A Rose laking occurs when academic stress, having reached a local maxima, is suddenly and violently released into a local body of water along with the bodies of several Rose students. Lakings, much like hailstorms, may happen any time or any place, without provocation. SA's and RA's are especially vulnerable to lakings. Lakings, however, make for a good spectator sport. To avoid one is to risk its wrath.

A ream is a colloquial expression referring to the severe pain felt when you have three tests, two labs and a paper due the next day. You may avoid reams all you want. They aren't going to avoid you.

Q. Where does my account go when I'm not logged on?

A. All of your files, papers, and assignments go into a place called the ethernet. This is that awful place you've been hearing about where kids get pornography. This is also where the system goes when it crashes.

Q. Why do we have to build the Bonfire? Can't we just torch Deming?

A. Deming won't burn. We tried. Besides, the bonfire gives you the opportunity to create high explosives and a pile so hot that Hulman Regional Airport has to re-route air traffic. Way cool!

Q. What is a gunner? What do you do if you meet one?

A. Salute him, unless he's not wearing BDU's. That's a different type of gunner. This other type of gunner is a guy who has absolutely no life, and usually lives in a book, or a NeXT lab. You can spot a gunner as a skinny, pale fellow with eyes that take up about half his face and a butt that has been physically molded by the chairs down in the Geek Center.

Q. What is in the ARAT red sauce?

A. What part of ARat don't you understand?

Q. What do you do for fun in Terre Haute?

A. First you will need the following items:

1. A pickup truck. A gunrack will endear you to the locals.

2. A really big belt buckle with your name on it, in case someone asks for I.D.

3. A spare pair of boots, in the event a line dance breaks out.

4. A female. None of the locals will give you a second look unless they can recognize you from the family album.

Now you are on your own. If you are lacking any of the above, take the easy way out, and find an excuse not to go. Stay home and buy a Zirconium necklace on the shopping channel.

Q. What's a MUDDER?

A. Da ting married to a Fodder.

Q. What is the purpose of College and Life Skills?

A. Uh, I dunno.

Q. Do Rose profs grade on a curve?

A. Only when you did well. The rest of the time you're out of luck.

Q. Does Itza Pizza deliver?

A. Do you really want them to?

Q. What is the easiest way to get a 4.0?

A. Go to P_____.

Numbers to live by

0 -- Number of full-time, undergraduate female students at Rose-Hulman. This is also the temperature of your floor when you wake up in the morning during the winter and place your bare feet upon it.

1.0 -- Upper GPA limit for members of the Square Root Club. Any higher than this and you will be stripped of your membership. (Keep it below this for too long and you will be stripped of your student ID.)

1.8 -- Minimum GPA for a freshman.

2.0 -- Minimum GPA required to graduate. If your GPA for a quarter goes below this, then you get a black flag. If your accum goes below this at the end of a quarter, then you get a black flag. Three black flags and you're gone.

3.3 -- Minimum GPA required to get on the Dean's list for the quarter.

4.0 -- GPA of a true Geek, Gunner, or Brain.

5-0 -- The Hawaiian police squad. Jack Lord used to be in a police show by the same name.

6.0 -- The maximum GPA at "another" engineering school in Indiana that doesn't use a real grading scale.

18 -- Maximum number of credit hours you can take in any quarter without shelling out more money to the school.

30 -- Number of hours a prof thinks you have in a day.

198 -- The approximate number of quarter hours you need to graduate from Rose-Hulman. (This number varies for different majors. Ranges from about 196 to 200.)

380 -- Number of people who get suckered into coming here every year.

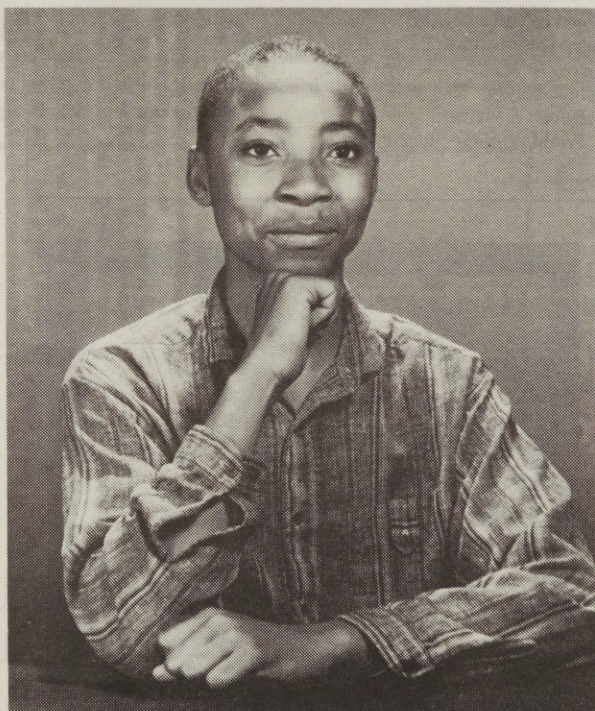
1360 -- Approximate number of days from your first day of class as a freshman until graduation.

1874 -- The year Rose was founded.

47803 -- Zip code for Rose-Hulman.

877-8101 -- Number to call if you want a really good time in Terre Haute. Ask for Rosie.

Reprinted from the 1991 edition of the Freshman Survival Kit



DRUNK DRIVING DOESN'T JUST KILL DRUNK DRIVERS.

Alonzo Drake, killed 3/17/91 at 10:53pm on Robbins Rd., Harvest, AL. Next time your friend insists on driving drunk, do whatever it takes to stop him.

Because if he kills innocent people, how will you live with yourself?

FRIENDS DON'T LET FRIENDS DRIVE DRUNK.



U.S. Department of Transportation

Here's to your health

by Paul A. Sigler
Features Editor

I walked into Gerald's apartment last Friday and found him sitting cross-legged in the middle of his living room wearing a careworn, haggard expression. Scattered around the room in small piles was the beginnings of a fair-sized food pantry. I stepped over a pile of Veg-All and fat-free cream cheese, kicked over a bag of ranch Doritos, seated myself on the couch and told him that he looked worried.

"You don't know the half of it," he sighed.

I asked about the food. He sighed again.

"I'm throwing it all away. Poison."

I had thought that Veg-All was good for you.

He looked at me like I had questioned Cindy Crawford's sexuality. "God, man-- do you know how much sodium there is in one of those cans?"

I guessed. He shook his head and sighed. "My blood pressure goes up just thinking about it."

What about the Doritos?

"Fat. Preservatives. Yellow #5. Dead by age 37."

Not a pretty picture. I reached for a Twinkie. Gerald screamed and slapped it out of my hand.

"What are you doing? Are you crazy?"

I told him I liked Twinkies. He was flabbergasted.

"I can't let you eat that. I could never live with myself."

I shrugged. There were copies of *Prevention*, *Muscle and Fitness* and *Men's Health* on the coffee table. I picked up an

M&F and started leafing through an article on Vitamin A poisoning. Gerald was railing against oat bran.

"I tell you it's no damn good-- stops you up like those big hairballs in the Liquid Plummer commercials. And I ain't drinking no Liquid Plummer. Not me. And that All Bran sucks the water out of your gut, and apple seeds have cyanide."

I asked Gerald for something to drink. He disappeared into the kitchen and returned with two glasses of orange juice. We sipped for a while as he told me about the evils of red meat.

"Too much iron. Gives you Alzheimer's, you can't perform in the sack-- and I can't remember too good as it is. And that tuna fish and chicken breast-hah! Fat-free, they tell you! Hah! Too much protein. Kills your kidneys. No dialysis for me, pal. Uh-uh."

I asked him what was safe to eat. He sighed.

"Nothing. Nothing at all."

I asked him if his wife felt the same way.

"Oh yeah. Absolutely. Hundred percent."

I remarked that I hadn't seen her around that evening.

"Well, she took off after I called her a fascist."

A fascist?

"Hell, the woman tried to kill me! Cooked up a stir-fry with veggies from the store that more than likely had got sprayed with that BDT or TNT or whatever, put that kidney-crunching chicken breast in it, drowned the thing in corn oil, splattered it with soy sauce and enough MSG to send a China-

man into orbit-- hell, she was lucky I didn't call the friggin' police!"

A fascist?

"That ain't the half of it-- tried to slip me a hamburger the next day. The very next day!"

Boy, that is bad.

"You bet it is. I told that mealy-mouthed Bohemian that she was frying me right into a coronary bypass, and I'll be damned if she didn't take offense."

Well, fascists are like that, I said. Gerald nodded sagely and drank some more orange juice. I told him about an article I had happened onto in M&F naming Vitamin C as a possible carcinogen. He spat a mouthful of O.J. across the room.

"What?"

I showed him the article. He read it with widening eyes, then snatched my glass, ran to the window, and quickly poured both drinks onto the azaleas. He sank back into his chair and sighed.

I asked him if he wanted something to drink. He muttered something about cirrhosis of the liver and poured me a gin and tonic. I toasted his health. He just sighed.

He got his spirits back a minute later, and he educated me on the evils of aspartame until it grew late and I said goodnight.

He lifted his glass in farewell. "Get your antioxidants, friend. Keep you perky. Live forever."

He drained his glass. As I left he was pouring himself a double martini with an olive. For the vitamins.

Letters

SGA president expresses concern for loss campus security

Dear members of the student body,

A few weeks ago I spoke with Tom Miller about a serious problem which has been growing on our campus. Subsequently, he sent me a package of materials which I began to read in shock. For example, here's one report I read:

"Two families within the Terre Haute community were victimized by theft during the Christmas season. Christmas lawn ornament displays were stolen, some of which had been owned by one of the families for twenty years. The displays were stolen by a group of students affiliated with a Rose-Hulman residence hall. A resident assistant and a substantial number of residents had observed and were aware of the incident, but none reported the incident until the end of the school year."

That, my friends, is just the beginning. The list unfortunately goes on from stolen televisions to stolen art from our campus; from stolen wallets to stolen calculators, and even stolen computers from your computer labs. It even includes the robbery of a pizza delivery boy which resulted in the company's refusal to deliver pizza to the campus.

In the four years since I've been here, the atmosphere here at Rose has changed, and unfortunately, in some respects, it's been for the worse. In the last few years, it appears that students, on the whole, have been losing something very valuable: *their integrity*.

As a result, I'm fearful that Rose-Hulman's open-door policies, both in academic and residence halls, may be coming to a quick end if something isn't done soon. I'm fearful that someday I won't be able to leave my backpack in the commons for a few minutes or that someday the academic buildings may be locked up at night to avoid continued theft and vandalism. These things will bring a sad end to an era in our school's history.

But this is avoidable. We as students can work to avoid such instances by first letting others know that we will no longer stand by and let them steal our integrity and our campus. In many of the cases I described above, many students were aware of the occurrences but failed to report them. As a student of this great institute, you have a responsibility to insure that future students can enjoy the same freedoms we do today.

Reporting student misconduct can be easy and confidential. If you wish to remain confidential-- feel free to just pick up the phone and call security. Many of the school's administrator's, such as Tom, Pete Gustafson, and Dean Lucas will also always maintain a student's confidentiality. RAs, SAs, and other campus leaders can be another avenue to report any type of violations.

Together we can regain our integrity and keep many of the freedoms we now enjoy. I ask you as students of this institute to stand up and take pride in our school. By doing so, you will help keep Rose-Hulman the great place it is.

Sincerely,
Robert J. Wallace
President of the Student Body



Student Body President
Rob Wallace says . . .

"Get involved in shaping the future of RHIT. Run for the Rose-Hulman Student Senate!"

Get a petition today and run for a position in the Rose-Hulman Student Senate!

Petitions are available in the SGA office (D232) and at the SGA comment box located in the commons.

**I COULD SAVE YOUR LIFE...
Please save mine.**



For more information
Call 1-800-824-WILD

The Houston toad produces alkaloids -- pharmaceutical wonders that may prevent heart attacks or act as an anesthetic more powerful than morphine. Yet, due to habitat loss, it is on the very brink of extinction, another member of the Endangered Species List.



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Gridders drop opener, prepare for road trip to Greenville

by Greg Rossi
Sports Reporter

Rose football will hunt for its first victory this Saturday in Illinois, when they face the Greenville Panthers.

When asked about how the Engineers will prepare for their first road game of the season, Coach Scott Duncan said, "They [Greenville] have changed a lot of personnel from last year's team, including their starting quarterback (junior Enrique Amero). Last year they attacked with primarily the option run, but they are better equipped to pass this year."

Rose, able to boast a 16-13 win over Greenville last year in the two teams' only meeting to date, is looking to bounce back after their 40-31 loss to Washington University last Saturday. After a riveting four-touchdown, 31-point first quarter, the engineers lost its momentum.

When asked about his team's performance last week, Duncan

stated, "We did not maintain the intensity level and concentration that we started the game with. You cannot have those kinds of letdowns and expect to win."

Scoring plays of 71, 45, and 94 yards against the Rose-Hulman defense allowed the Washington Bears to tear into a seemingly comfortable lead.

The Rose team did see two of its players rise to the top amongst the rubble, as it swept the Conference Player of the Week Honors. Sophomore running back, A.J. Wilkerson, rushed for 135 yards on 16 carries and scored two touchdowns. He threw two passes, completing one for 21 yards to wide receiver Eric Gappa on a fake punt, and returned two kick-offs for 28 yards.

Sophomore strong safety, Tony Kohl, received the defensive praise with seven tackles and two pass break-ups. He recovered a fumble in the first quarter which lead to the Engineer's second



Sophomore running back A.J. Wilkerson (2) scrambles around the right side to pick up a few of his 135 rushing yards while sophomore WR Billy Hammond (3) makes a good block against Washington University.

Photo by Jim Mann

score and followed the feat late in the first half, when he blocked a Bear punt.

A strong second half may prove to be the key to this Saturday's game. It was evident against Washington, that Rose

does have the talent to produce a winning season. Todd Harris, sophomore quarterback, was six of seventeen through the air for a 108 yards, and had 77 yards rushing on 16 carries. On the defensive end, junior, Brian Crissman,

was the leading tackler with ten (five solos) and junior, Jason Tolle, had seven tackles including a quarterback sack.

Enthusiastic and solid play like this could seal a victory over the Greenville Panthers.

Perkins resigns as coach

by Chad Zigler
Editor-in-Chief

After several weeks of rumored investigations, the Rose-Hulman community was finally informed of the status of basketball coach Bill Perkins.

Perkins resigned his position on August 31, ending his three year reign as head coach of the Engineers.

No specific reasons were given for his resignation or for the investigations that had preceded.

Perkins made his first public statement Tuesday in an interview with the Terre Haute Tribune-Star. In that interview, Perkins said, "I immensely enjoyed my three years at Rose-Hulman. I had a chance to work with some great people -- like Sam Hulbert, Jess Lucas, Scott

Duncan -- and I've been blessed to have the experience I've had the last three years."

Perkins did not comment on the reason for his resignation. He merely said, "I've resigned."

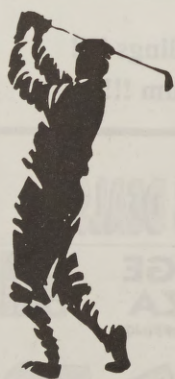
In a previous Tribune-Star article, an unnamed source was quoted as saying that "administrative reasons involving financial aspects of the basketball program" had led to Perkins' resignation.

The Perkins File Rose-Hulman Record

1991-92	13-12
1992-93	15-10
1993-94	10-15
Overall	38-37
Winning %	(.507)



Former Rose-Hulman basketball coach Bill Perkins gives instructions to his team during a time-out. Perkins resigned his position after coaching the Engineers for three season.



Night Golf Scramble

When: September 20

Where: Stu's Golf Course, Next to Honeycreek Shopping Center

Time: 9 p.m.

**Teams of 4 - \$50
18 holes and Prizes**

Sponsored by Student Activities Office

Golf: a worthwhile investment for an engineer

Special Sports Editorial
by Chad Zigler
Editor-in-Chief

I had the chance this summer to work as a Student Engineer for PSI Energy at the Cayuga Generating Station.

I learned a lot about practical, everyday engineering that you would expect in the power industry, but I learned something even more valuable -- golf.

Yes, golf was one of the first things that my fellow co-workers suggested that I get involved in. All of the engineers in the plant played golf - some more than others. PSI Energy even sponsored their own golf tournament in which nearly all the engineering department at Cayuga Generating Station participated (except me, of course -- I was a short-timer).

So, I started searching for a set of used golf clubs (I wasn't going to sink \$300 or more into a new set as a beginner). Normally, this isn't a major task. But when you're left-handed it can really be a chore.

Finally I found a starter set at K-mart (really high quality stuff, let me tell ya!) and I picked up a

used set of irons. Everything a novice golfer needs for the low, low price of \$150. Ouch!

But the best was yet to come. I went to the driving range immediately following my purchase, and I soon discovered something: a baseball swing and a golf swing are very different. Yes, all the fine-tuned elements of a base-



ball swing that I had developed after playing high school and college baseball were almost useless for this new sport I had delved into so quickly.

After \$15 and 300 lousy, sliced driver shots, I finally made a decision: I need lessons. Luckily there was a gentleman who gave lessons at the driving range. He also happened to be a golf

coach at a nearby junior college, so he should be a good teacher.

I spent an hour with him, hitting 7-iron after 7-iron, sending golf balls soaring like boomerangs -- yes -- boomerangs! My shot were ending up a full 45 degrees or more to the left of where I was aiming and well shot of the target.

I did learn the proper grip and stance for golfing, but he didn't tell me *exactly* how to correct my slice. I guess he didn't want to tell me too much so that I would have to come back for another \$25-lesson.

After that, I settled for advice from other people that I saw as being pretty good golfers. But I soon found out that there are hundreds of different remedies for the same golf ailment. I've tried them all with some success. But more times than not, I send my tee shots soaring into fairways two holes to the left. Oh well, I'll make it up on the second shot (ya, right!).

Even with all my agony and defeat, I have stayed with it. I score significantly in the past two weeks. In fact, I've been able to

(See "Golf" on page 8)

Soccer team looking for first victory after tough weekend



Junior Pat Goodwin (2) dribbles past a defender in last Sunday's contest against nationally-ranked Kalamazoo College. Rose lost the match 5-3.

Photo by Jim Mann

The Rose-Hulman soccer team knew it had its work cut out in the opening weekend, facing perennial power Gustavus Adolphus and nationally-ranked Kalamazoo College.

The Engineers fought a test of emotions in Saturday's opener vs. Gustavus Adolphus. Rose-Hulman took a 2-0 lead before falling behind 4-3 in the second half. Gabe Ferland scored his second goal of the game with just over two minutes to go, tying the game at 4-4.

Overtime was a disaster for the Engineers, as they gave up five goals to eventually fall 9-4. Ferland had an assist to go with his two goals and Berndie Strassner had a goal and an assist.

Sophomore goalkeeper Cory Willis had to leave the game in overtime with an injury, and missed Sunday's match.

Twenty-fourth ranked Kalamazoo College led the Engineers the entire game on Sunday, winning 5-3. Three different players scored goals for Rose-Hulman -- Pat Goodwin, Son Cao and Wayne Moore.

"I was proud of the way the team came out and played against Kalamazoo, after a disappointing opener on Saturday," said coach Greg Ruark.

"Fatigue was probably a factor in overtime Saturday, but we were able to bounce back in less than 24 hours," Ruark said.

Things don't appear to get

much easier for the Engineers, who travel to Albion (Mich.) College this Saturday for a 1 p.m. game. The Engineers have played Albion each of the last three years, but are still looking for their first victory.

Soccer Scoring Leaders

Name	GL	AST	PTS
G. Ferland	2	3	7
B. Strassner	1	1	3

(Ferland needs only five more goals to tie the school's career record of 31, held by Dave Watson, 1979-82.)

Rose harriers to run at Millikin Invitational

Coach Bill Welch's squad will run in its first eight Kilometer meet of the year Saturday when his squad competes at the

Millikin Invitational in Decatur, Ill.

The Engineers competed across town last Saturday at the

Indiana State Sycamore Invitational, and were led to the wire in the five kilometer meet by senior Mike Miller (16:27) who ran a personal-best.

The top three finishers for the Engineers placed 18th (Miller), 19th (Nathan Terpstra) and 20th (Kenny Anderson) out of 48 runners. Competing teams included Division I schools Indiana State and Illinois State. Indiana State alumni and ICAC opponent Franklin College.

"Our top three finishers ran very strong together, finished just eight seconds apart," Welch said.

"We had a gap between our third and fourth runners, but there are two or three people who are ready to jump into these positions and give us a close top five."

Eight of our 10 runners had a better performance last weekend than the weekend before, so the progress is there. We feel like before the year is over we are going to be a tight group," Welch said.

Terpstra (16:29) was the Engineer's top freshman finisher and Anderson had a personal best time (16:35).



Seniors Marty Malberg and Mike Miller are leaders for the Rose-Hulman cross country team this year.

Hey Sports Fans!!!!!!!!!!

Get the inside scoop on all the Rose-Hulman Sports !!!

**BE A SPORTS REPORTER
FOR THE ROSE THORN!!!!!!**

Call Ext. 8255 or come by C-216 for Details

●"Golf"

(continued from page 7)

lower my score significantly in the past two weeks. The cure: putting. I've one-putted more holes in the past two weeks than I did in the first two months of my short golfing career.

So you ask: "What does golf have to do with engineering?" I tell you it has everything to do

with engineering -- both in the scientific and business aspects of it. Technically, a golf swing is one of the most dynamic mechanical motions that a human can perform. Engineers spend lots of time designing golf clubs to give golfers more distance on their shots. From graphite shafts to cavity-back irons, designing golf equipment is very much an engineer's job.

From the business side, golf

is a medium that is used to develop business relationships. How many business deals do you think have been made on the golf course? I would be willing to guess thousands -- maybe more.

Either way, golfing has been an excellent way for me to meet new people and relax after work or school. If you don't play golf, maybe you should consider it.

Intramural Announcements

- Rosters for flag football and co-ed volleyball can be picked up in Coach Ruark's office (Templeton Building, Room 15), or in the athletic department office (Moench Hall, Room D-227). Deadline for registration is Wednesday, September 14.
- Intramural tennis tournament sign-up sheets are located in Coach Ruark's office and at the IM board across from the mailroom.
- Football referees are needed for the upcoming season. If you are interested please see Coach Ruark.

Coming soon.....

**Weekly IM Standings !!!!
Follow Your Team !!!!**

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Rose-Hulman Institute of Technology 1994 Fall Sports Composite Schedule



<u>Date</u>	<u>Event</u>	<u>Time</u>
Sat., Sept. 10	Cross Country at Millikin Invitational	11 a.m.
	Soccer at Albion College	1 p.m.
	Football at Greenville College	1:30 p.m.
Sun., Sept. 11	BASEBALL HOSTS WABASH	1 p.m.
Wed., Sept. 14	SOCCER HOSTS EARLHAM COLLEGE	4 p.m.
Sat., Sept. 17	Cross Country at Principia Invitational	11 a.m.
	SOCCER HOSTS UNIV. OF THE SOUTH	1 p.m.
	Football at University of the South	1:30 p.m.
Sun., Sept. 18	BASEBALL HOSTS VINCENNES (DH)	1 p.m.
Wed., Sept. 21	Soccer at Taylor University	4 p.m.
Fri., Sept. 23	Baseball at Collegiate Baseball Classic	TBA
Sat., Sept. 24	Soccer at Marian College	1 p.m.
	Baseball at Collegiate Baseball Classic	TBA
Tue., Sept. 27	Soccer at Anderson*	4 p.m.
Fri., Sept. 30	SOCCER HOSTS ST. JOSEPH'S COLLEGE	4 p.m.
Sat., Oct. 1	CROSS COUNTRY HOSTS VINCENNES	11 a.m.
	FOOTBALL HOSTS ANDERSON*	1:30 p.m.
	(HOMECOMING)	
Sun., Oct. 2	BASEBALL HOSTS ALUMNI GAME	1 p.m.
Tue., Oct. 4	Soccer at Wilmington College	7:30 p.m.
Fri., Oct. 7	Cross Country at Notre Dame Invitational	2:45 p.m.
Sat., Oct. 8	Football at Manchester*	1:30 p.m.
Sun., Oct. 9	SOCCER HOSTS HANOVER*	1 p.m.
Thur., Oct. 13	Soccer at MIT	3 p.m.
Fri., Oct. 14	Cross Country at University of the South	4 p.m.
Sat., Oct. 15	FOOTBALL HOSTS DEPAUW*	1:30 p.m.
	Soccer at Colby-Sawyer College	3 p.m.
Tue., Oct. 18	SOCCER HOSTS DEPAUW*	3 p.m.
Sat., Oct. 22	SOCCER HOSTS WABASH*	11:30 a.m.
	Football at Franklin*	1:30 p.m.
Wed., Oct. 26	Soccer at Franklin*	3 p.m.
Sat., Oct. 29	CROSS COUNTRY HOSTS	
	ICAC CHAMPIONSHIP	11 a.m.
	Soccer at Manchester*	11:30 a.m.
	Football vs. Hanover (Day in the Dome)	8 p.m.
Sat., Nov. 5	FOOTBALL HOSTS WABASH COLLEGE	1:30 p.m.
Wed., Nov. 9	SWIMMING HOSTS WABASH COLLEGE	7 p.m.
Sat., Nov. 12	Cross Country at NCAA III Regional (Anderson)	11 a.m.
	FOOTBALL HOSTS UNIV. OF CHICAGO	1:30 p.m.
	SWIMMING HOSTS ASBURY COLLEGE	2 p.m.

* Indiana Collegiate Athletic Conference Contest

Welcome to the first installment of the Nostalgia Series-- a feature in which old, priceless features from the Thorn of yesteryear are reprinted for the benefit of the next generation of bleary-eyed number crunchers. This week's feature, "Screws and Matters," is compelling evidence that, despite the years that have passed, Rose students are still very much the same. "Screws and Matters" was originally published as an installment of the Page 9 Games Series in the March 15, 1985 issue of the Thorn. We wish you hours of fun and enjoyment, and may the shaft be with you.

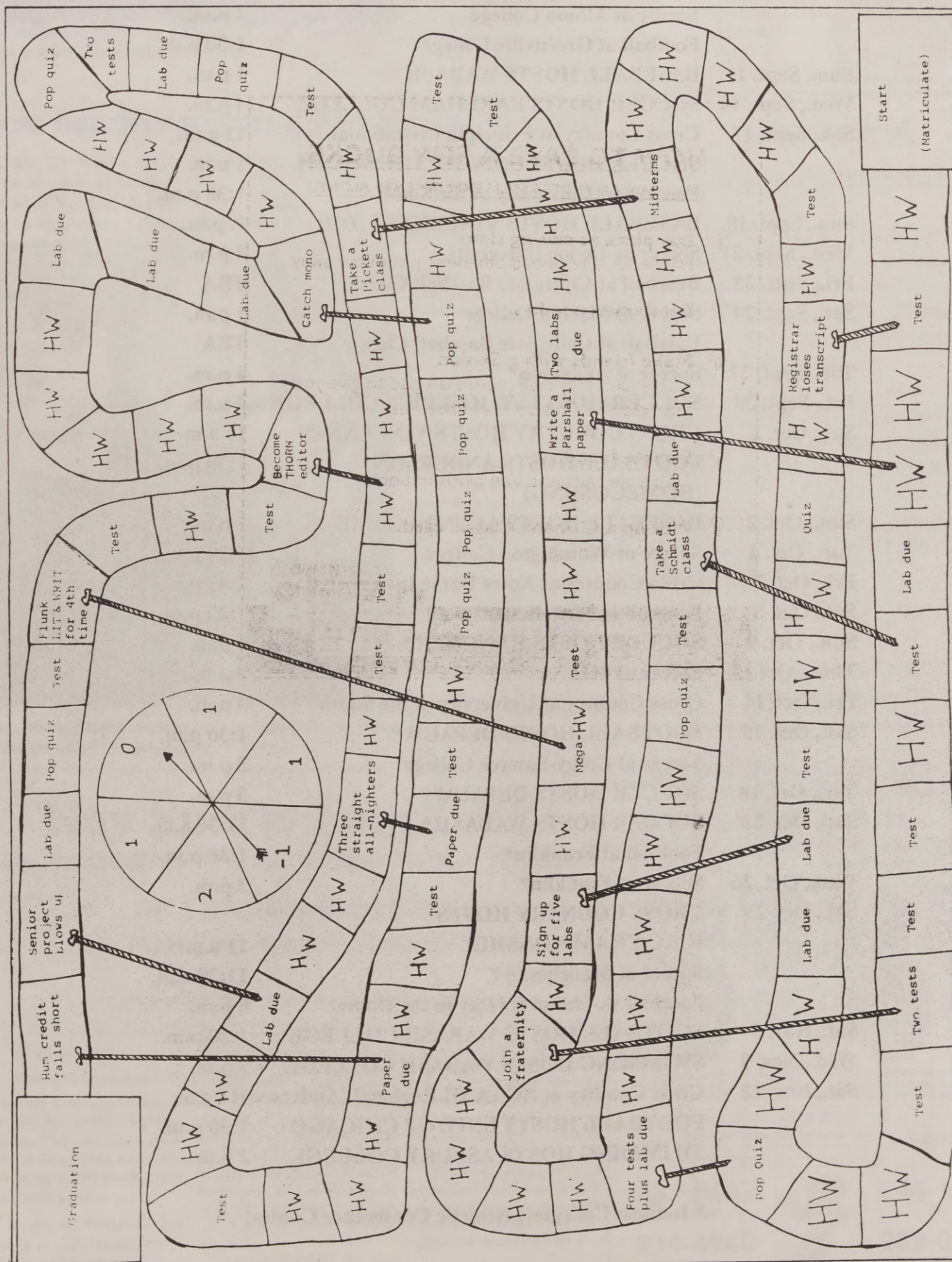
The Rules:

Upon matriculation, the student spins the spinner and moves the appropriate number of spaces along the college path. This number amazingly corresponds to the hours of sleep received each night.

When one lands on a space where a screw head appears, he gets the shaft which he must then follow down to the tip of the screw. Then on his next turn he once again starts clawing his way up the path.

The game ends for each player when he either reaches the space marked "Graduation" or transfers to another bored game. Good luck on this, yet another thrilling game in the Page 9 Production Game Series.

*Screws
and
Matters*



HOW TO SAVE A FEW BUCKS.

(YOU CAN'T LIVE OFF PSYCH EXPERIMENTS ALONE.)

- 💡 **Buy pizza at closing time.**
Haggle for slices they'd otherwise just throw away.
- 💡 **Eat Ramen noodles.**
- 💡 **Make friends with a Senior.**
Come June, they'll be more than glad to give you their old Poly Sci books and couches.
- 💡 **Donate blood.**
Save a life and get a free lunch to boot.
- 💡 **Pick up a Citibank Classic card.**
There's no annual fee.

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Top Ten Reasons We Decided to Continue Top Ten Lists

10. Jay said we had to.
9. We didn't want to see a gaping hole on the back of the *Thorn*.
8. The IC veterans in C-1 have all kinds of time.
7. NASA NASA NASA NASA
6. It's easier than walking to class.
5. It's part of a secret hostile takeover of the *Thorn*.
4. We found another 10 meanings for SMWC.
3. We need to improve our short sentence writing.
2. It's more constructive than worst 10 lists.
1. 7 fraternities, 2 students and one faculty member haven't been offended yet.

Skinner C-1

Ryan Vandewater
Rob Rock
Jason Schaefer
Austin Ashby
Stace Stoltfus

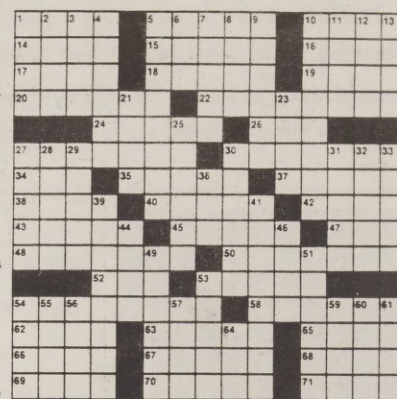
THE Crossword

ACROSS

- 1 Chunk
- 5 Showed an old TV program
- 10 Peak
- 14 — Grande, Ariz.
- 15 Get away from
- 16 Holiday word
- 17 USA word: abbr.
- 18 Loafs around
- 19 Misfortunes
- 20 Defeated
- 22 Price quote
- 24 Church official
- 26 Epoch
- 27 Attractive person
- 30 Magazine heads
- 34 Rodent
- 35 Indentured servants
- 37 Flower leaf
- 38 Baseball calls
- 40 Underground growths
- 42 Opera star
- 43 Silithery creature
- 45 Harvests
- 47 Saine
- 48 Tiger feature
- 50 Makes tighter
- 52 Kinsman: abbr.
- 53 — firma
- 54 Soak through
- 58 Home for Fido
- 62 Fancy case
- 63 Sum
- 65 Skirt inset
- 66 Small colonists
- 67 Wear gradually
- 68 Isolated
- 69 Whip
- 70 Dispatches
- 71 Pieces (out)

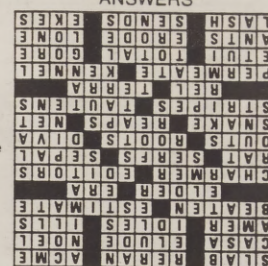
DOWN

- 1 Strikebreaker
- 2 Lustrous material
- 3 Voyaging
- 4 Swap
- 5 Santa's helper?
- 6 Old times
- 7 Measuring stick
- 8 Fruit drinks
- 9 Placed one within another
- 10 Moving
- 11 Soft drink
- 12 Turn to slush
- 13 Otherwise
- 21 Large trees
- 23 Spring bloom
- 25 Boo-boos
- 27 Traverse
- 28 Hang around
- 29 Flower essence
- 30 Large land holding
- 31 State a view
- 32 Black bird
- 33 Narrow pieces of board
- 36 Enemy
- 39 Small battle
- 41 Shines
- 44 Fencer's sword
- 46 Certain
- 49 Raises one's spirits
- 51 Knot up
- 53 Wyo. range
- 54 Ring
- 55 Volcano site



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ANSWERS



- 56 Deep tire marks
- 57 Ripped
- 59 Cozy place
- 60 Sea bird
- 61 Dregs
- 64 Append

Coming soon.....

Cartoons, Caricatures and more by David Warmuth

